

What Is Claimed Is:

1. A boot seal comprising:
 - a first end;
 - a second end; and
 - a boot seal wall extending between the first end and the second end, the boot seal wall comprising a inner layer and a outer layer wherein each layer comprises a different material.
2. The boot seal of claim 1 wherein the inner layer is resistant to grease and the outer layer is resistant to ozone.
3. The boot seal of claim 1 wherein the outer layer is ozone resistant.
4. The boot seal of claim 1 wherein the inner layer comprises hydrogenated nitrile and the outer layer comprises ethylene propylene diene rubber.
5. The boot seal of claim 1 wherein the outer layer and the inner layer are made from elastomers.
6. The boot seal of claim 5 wherein the elastomers comprise rubbers and thermoplastic elastomers.
7. The boot seal of claim 1 wherein the outer layer and the inner layer are bonded together.
- 20 8. The boot seal of claim 1 wherein the outer layer and the inner layer are glued together.

9. The boot seal of claim 1 wherein the outer layer is circumjacent to the inner layer.

10. The boot seal of claim 1 further comprising a compliance layer intermeshed with the bonding region between said inner 5 layer and said outer layer.

11. A boot seal for sealing a joint comprising:
a first end adapted to connect to a first joint part;
a second end adapted to connect to a second joint part; and
a boot seal wall extending between the first end and the 10 second end, the boot seal wall comprising an inner layer and a outer layer wherein each layer comprises a different material.

12. The boot seal of claim 11 wherein the inner layer is resistant to grease and the outer layer is resistant to ozone.

13. The boot seal of claim 11 wherein the outer layer is 15 ozone resistant.

14. The boot seal of claim 11 wherein the inner layer comprises hydrogenated nitrile and the outer layer comprises ethylene propylene diene rubber.

15. The boot seal of claim 11 wherein the outer layer and 20 the inner layer are made from elastomers.

16. The boot seal of claim 15 wherein the elastomers comprise rubbers and thermoplastic elastomers.

17. The boot seal of claim 11 wherein the outer layer and the inner layer are bonded together.

18. The boot seal of claim 11 wherein the outer layer and the inner layer are glued together.

5 19. The boot seal of claim 11 wherein the outer layer is circumjacent to the inner layer.

20. The boot seal of claim 11 further comprising a compliance layer intermeshed with the bonding region between said inner layer and said outer layer.

10 21. A method of producing a dual layer boot seal comprising an inner layer and an outer layer, the method comprising:

providing a first material;

providing a second material different from the first material;

and

15 molding the boot seal such that the first material forms the inner layer and the second material forms the outer layer.

22. The method of claim 21 wherein the first material is resistant to grease and the second material is resistant to ozone.

23. The method of claim 21 wherein the first material and 20 the second material are elastomers.

24. The method of claim 23 wherein the elastomers comprise rubbers and thermoplastic elastomers.

25. The method of claim 21 further comprising a step of bonding the first material and the second material.

26. The method of claim 21 wherein molding comprises injection molding or blow molding.

5 27. The method of claim 21 wherein the inner layer and the outer layer are simultaneously dual injection molded.